

AN APPARATUS FOR SUPPLYING A THERAPEUTIC OXYGEN GAS

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ABSTRACT OF THE DISCLOSURE

The apparatus includes a cylinder for containing a pressurized therapeutic oxygen gas, a nasal cannula, 10 adapted to be introduced into a nasal passage of a patient, and a conduit extending between the cylinder and the nasal cannula for directing the therapeutic oxygen gas to the nasal cannula from the cylinder. A pressure sensor is provided on the conduit for detecting the 15 pressure in the conduit. A valve is provided, in the conduit, which allows and blocks the fluid communication between the cylinder and the nasal cannula. A controller controls the operation of the valve in synchronization with the respiration of a patient, based on the changes 20 in the pressure detected by the pressure sensor. The volume of the oxygen therapeutic gas passing through the valve for each respiration is increased, compared with a normal respiration condition, when the respiratory frequency increases.

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